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TECH CENTER 1600/2900 1653

RAW SEQUENCE LISTING

DATE: 07/07/2000

PATENT APPLICATION: US/09/248,382A

TIME: 12:48:02

Input Set : A:\U012104.app

Output Set: N:\CRF3\07072000\I248382A.raw

3 <110> APPLICANT: MUKHERJEE, RAMA
 4 JAGGI, MANU
 5 PRASAD, SUDHANAND
 6 BURMAN, ANAND C
 8 <120> TITLE OF INVENTION: NOVEL PEPTIDE ANALOGS FOR THE TREATMENT OF CANCER
 10 <130> FILE REFERENCE: U012104-2
 12 <140> CURRENT APPLICATION NUMBER: 09/248,382A
 C--> 13 <141> CURRENT FILING DATE: 1999-02-10
 15 <150> PRIOR APPLICATION NUMBER: 343/DEL/98
 16 <151> PRIOR FILING DATE: 1998-02-11
 18 <160> NUMBER OF SEQ ID NOS: 29
 20 <170> SOFTWARE: PatentIn Ver. 2.0
 22 <210> SEQ ID NO: 1
 23 <211> LENGTH: 8
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Artificial Sequence
 27 <220> FEATURE:
 28 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
 29 was synthetically generated.
 31 <400> SEQUENCE: 1
 32 Leu Met Tyr Pro Thr Tyr Leu Lys
 33 1 5
 36 <210> SEQ ID NO: 2
 37 <211> LENGTH: 8
 38 <212> TYPE: PRT
 39 <213> ORGANISM: Artificial Sequence
 41 <220> FEATURE:
 42 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
 43 was synthetically generated.
 45 <220> FEATURE:
 46 <221> NAME/KEY: MOD_RES
 47 <222> LOCATION: (1)
 48 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib
 50 <220> FEATURE:
 51 <221> NAME/KEY: MOD_RES
 52 <222> LOCATION: (7)
 53 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib
 55 <400> SEQUENCE: 2
 OK 56 Xaa Met Tyr Pro Thr Tyr Xaa Lys
 57 1 5
 60 <210> SEQ ID NO: 3
 61 <211> LENGTH: 8
 62 <212> TYPE: PRT
 63 <213> ORGANISM: Artificial Sequence
 65 <220> FEATURE:
 66 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
 67 was synthetically generated.

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Input Set : A:\U012104.app
 Output Set: N:\CRF3\07072000\I248382A.raw

69 <220> FEATURE:
 70 <221> NAME/KEY: MOD_RES
 71 <222> LOCATION: (1)
 72 <223> OTHER INFORMATION: /product = D-leucine/ label = D-Leu
 74 <220> FEATURE:
 75 <221> NAME/KEY: MOD_RES
 76 <222> LOCATION: (7)
 77 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib
 79 <400> SEQUENCE: 3
 80 Xaa Met Tyr Pro Thr Tyr Xaa Lys
 81 1 5
 84 <210> SEQ ID NO: 4
 85 <211> LENGTH: 8
 86 <212> TYPE: PRT
 87 <213> ORGANISM: Artificial Sequence
 89 <220> FEATURE:
 90 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
 91 was synthetically generated.
 93 <220> FEATURE:
 94 <221> NAME/KEY: MOD_RES
 95 <222> LOCATION: (6)
 96 <223> OTHER INFORMATION: /product = D-tyrosine/ label = D-Tyr
 98 <400> SEQUENCE: 4
 99 Leu Met Tyr Pro Thr Xaa Leu Lys
 100 1 5
 103 <210> SEQ ID NO: 5
 104 <211> LENGTH: 8
 105 <212> TYPE: PRT
 106 <213> ORGANISM: Artificial Sequence
 108 <220> FEATURE:
 109 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
 110 was synthetically generated.
 112 <220> FEATURE:
 113 <221> NAME/KEY: MOD_RES
 114 <222> LOCATION: (7)
 115 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu
 117 <400> SEQUENCE: 5
 118 Leu Met Tyr Pro Thr Tyr Xaa Lys
 119 1 5
 122 <210> SEQ ID NO: 6
 123 <211> LENGTH: 8
 124 <212> TYPE: PRT
 125 <213> ORGANISM: Artificial Sequence
 127 <220> FEATURE:
 128 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
 129 was synthetically generated.
 131 <220> FEATURE:
 132 <221> NAME/KEY: MOD_RES
 133 <222> LOCATION: (3)

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PATENT APPLICATION: US/09/248.382A TIME: 12:48:02

Input Set : A:\U012104.app
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134 <223> OTHER INFORMATION: /product = D-tyrosine/label = D-Tyr
136 <220> FEATURE:
137 <221> NAME/KEY: MOD_RES
138 <222> LOCATION: (7)
139 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu
141 <400> SEQUENCE: 6
142 Leu Met Xaa Pro Thr Tyr Xaa Lys
143 1 5
146 <210> SEQ ID NO: 7
147 <211> LENGTH: 8
148 <212> TYPE: PRT
149 <213> ORGANISM: Artificial Sequence
151 <220> FEATURE:
152 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
153 was synthetically generated.
155 <220> FEATURE:
156 <221> NAME/KEY: MOD_RES
157 <222> LOCATION: (1)
158 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu
160 <220> FEATURE:
161 <221> NAME/KEY: MOD_RES
162 <222> LOCATION: (7)
163 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu
165 <400> SEQUENCE: 7
166 Xaa Met Tyr Pro Thr Tyr Xaa Lys
167 1 5
170 <210> SEQ ID NO: 8
171 <211> LENGTH: 8
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial Sequence
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
177 was synthetically generated.
179 <220> FEATURE:
180 <221> NAME/KEY: MOD_RES
181 <222> LOCATION: (1)
182 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib
184 <220> FEATURE:
185 <221> NAME/KEY: MOD_RES
186 <222> LOCATION: (7)
187 <223> OTHER INFORMATION: /product = cyclic and acyclic dialkylated
188 glycine/label = Dxx
190 <400> SEQUENCE: 8
191 Xaa Met Tyr Pro Thr Tyr Xaa Lys
192 1 5
195 <210> SEQ ID NO: 9
196 <211> LENGTH: 8
197 <212> TYPE: PRT
198 <213> ORGANISM: Artificial Sequence

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 Output Set: N:\CRF3\07072000\I248382A.raw

200 <220> FEATURE:
 201 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
 202 was synthetically generated.
 204 <220> FEATURE:
 205 <221> NAME/KEY: MOD_RES
 206 <222> LOCATION: (1)
 207 <223> OTHER INFORMATION: /product = D-leucine/label = D-Leu
 209 <220> FEATURE:
 210 <221> NAME/KEY: MOD_RES
 211 <222> LOCATION: (7)
 212 <223> OTHER INFORMATION: /product = cyclic and acyclic dialkylated glycine/
 213 label = Dxg
 215 <400> SEQUENCE: 9
 216 Xaa Met Tyr Pro Thr Tyr Xaa Lys
 217 1 5
 220 <210> SEQ ID NO: 10
 221 <211> LENGTH: 8
 222 <212> TYPE: PRT
 223 <213> ORGANISM: Artificial Sequence
 225 <220> FEATURE:
 226 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
 227 was synthetically generated.
 229 <220> FEATURE:
 230 <221> NAME/KEY: MOD_RES
 231 <222> LOCATION: (1)
 232 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe
 234 <220> FEATURE:
 235 <221> NAME/KEY: MOD_RES
 236 <222> LOCATION: (8)
 237 <223> OTHER INFORMATION: /product = Leucine N-ethylamide/label = Leu-NHet
 239 <400> SEQUENCE: 10
 240 Xaa Gln Trp Ala Val Gly His Xaa
 241 1 5
 244 <210> SEQ ID NO: 11
 245 <211> LENGTH: 8
 246 <212> TYPE: PRT
 247 <213> ORGANISM: Artificial Sequence
 249 <220> FEATURE:
 250 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
 251 was synthetically generated.
 253 <220> FEATURE:
 254 <221> NAME/KEY: MOD_RES
 255 <222> LOCATION: (1)
 256 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe
 258 <400> SEQUENCE: 11
 259 Xaa Gln Trp Ala Val Gly His Leu
 260 1 5
 263 <210> SEQ ID NO: 12
 264 <211> LENGTH: 8

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Input Set : A:\U012104.app
 Output Set: N:\CRF3\07072000\I248382A.raw

265 <212> TYPE: PRT
 266 <213> ORGANISM: Artificial Sequence
 268 <220> FEATURE:
 269 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
 270 was synthetically generated.
 272 <220> FEATURE:
 273 <221> NAME/KEY: MOD_RES
 274 <222> LOCATION: (1)
 275 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe
 277 <220> FEATURE:
 278 <221> NAME/KEY: MOD_RES
 279 <222> LOCATION: (6)
 280 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib
 282 <400> SEQUENCE: 12
 283 Xaa Gln Trp Ala Val Xaa His Leu
 284 1 5
 287 <210> SEQ ID NO: 13
 288 <211> LENGTH: 8
 289 <212> TYPE: PRT
 290 <213> ORGANISM: Artificial Sequence
 292 <220> FEATURE:
 293 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
 294 was synthetically generated.
 296 <220> FEATURE:
 297 <221> NAME/KEY: MOD_RES
 298 <222> LOCATION: (1)
 299 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe
 301 <220> FEATURE:
 302 <221> NAME/KEY: MOD_RES
 303 <222> LOCATION: (4)
 304 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib
 306 <400> SEQUENCE: 13
 307 Xaa Gln Trp Xaa Val Gly His Leu
 308 1 5
 311 <210> SEQ ID NO: 14
 312 <211> LENGTH: 8
 313 <212> TYPE: PRT
 314 <213> ORGANISM: Artificial Sequence
 316 <220> FEATURE:
 317 <223> OTHER INFORMATION: Description of Artificial Sequence: This peptide
 318 was synthetically generated.
 320 <220> FEATURE:
 321 <221> NAME/KEY: MOD_RES
 322 <222> LOCATION: (1)
 323 <223> OTHER INFORMATION: /product = D-phenylalanine/label = D-Phe
 325 <220> FEATURE:
 326 <221> NAME/KEY: MOD_RES
 327 <222> LOCATION: (6)
 328 <223> OTHER INFORMATION: /product = 2-amino-isobutyric acid/ label = Aib

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY

DATE: 07/07/2000

PATENT APPLICATION: US/09/248,382A

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Input Set : A:\U012104.app

Output Set: N:\CRF3\07072000\I248382A.raw

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:80 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:99 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:259 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:374 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:456 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
L:481 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21
L:544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25
L:675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27
L:729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29